

REMARKS

Reconsideration of this patent application is respectfully requested in view of the foregoing amendments and the following remarks.

The Examiner has objected to the drawings. The location of connections for the coils providing individual accessibility on the stator as recited in claim 42 is shown in FIG. 2. Amended FIG. 2 now shows a pole reversal device as recited in claim 44. New FIG. 5a shows several rotors and coil configurations located one behind the other in the axial direction on a common shaft. The elements of claims 48-50 are shown in FIG. 10 in the form of the coil 9.

The Examiner has objected to the specification. The specification has been amended so that it conforms to the preferred layout specified by the Examiner. An abstract and new title have also been added.

The Examiner has objected to claim 45 under 37 C.F.R. 1.75(c) as failing to further limit the subject matter of a previous claim. Claim 45 has been amended to more clearly set forth the invention. The "positive limitation" of claim 45 is the annular or circular design of the coils and not in the adaptation of the rotor to the shape of the coils of the stator.

The Examiner has rejected claims 42, 44, and 46-50 under 35 U.S.C. 112 first paragraph. Claims 42, 44, and 46-50 have been amended to more clearly set forth the invention. Claims 42, 44 and 46-50 are supported by the specification and are described there in a manner that the expert is able to reproduce. Claim 42 is described on page 9, paragraph 7. Claims 44 and 46-50 are addressed on pages 3 and 4 of the specification, as well as newly amended paragraph 7 on page 9.

The Examiner has rejected claims 35-50 and 55 under 35 U.S.C. 112 second paragraph as being indefinite for failing to particularly point out and distinctly claim the invention. Claim 36 has been cancelled and claims 35, 37-50 and 55 have been amended to more clearly set forth the invention.

The Examiner has rejected claims 35-38 and 43-45 under 35 U.S.C. 102(b) as being anticipated by *Lillington et al.* Claim 35 has been amended and now incorporates the elements of former claim 36. Claims 37, 38, and 43-45 have been amended to more clearly set forth the invention. The magnets of *Lillington* are aligned so that the lines of magnetic field are aligned in a radially. The present invention aligns the magnets tangentially on the circumference of the rotor. This permits the lines of the magnet field to exit tangentially in relation to the circumference of the

rotor. The arrangement of the permanent magnets on the circumference of the rotor is described in newly amended claim 35.

The arrangement of the magnets as defined by the present invention is not possible in connection with *Lillington*, and is therefore substantially distinguishable from the prior art. No acceptable degree of efficiency could be obtained if *Lillington* were arranged in this means.

The Examiner has rejected claims 39-41 under 35 U.S.C. 103(a) as being unpatentable over *Lillington et al.* in view of *Keim et al.* Claims 39-41 have been amended to more clearly set forth the invention. The Applicant believes that independent claim 35 has been distinguished from the references cited by the Examiner and therefore dependent claims 39-41 are also distinguished over those references cited by the Examiner. *Keim* does not disclose a system described 35 in which the magnets are tangentially disposed on the circumference of the rotor.

The Examiner has rejected claim 46 under 35 U.S.C. 103(a) as being unpatentable over *Lillington et al.* in view of *Anwander*. Claim 46 has been amended to more clearly set forth the invention. The Applicant believes that independent claim 35 has been distinguished from the references cited by the Examiner and therefore dependent claim 46 is also distinguished over those

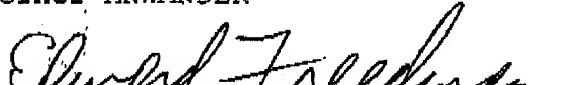
references cited by the Examiner. Anwander does not disclose a system described in claim 35 in which the magnets are tangentially disposed on the circumference of the rotor.

Claims 36, 51-54 and 56-68 have been cancelled without prejudice, claims 35, 37-50 and 55 have been amended. No new matter has been added. Accordingly, the Applicant submits that the claims as presented are patentable over the references cited, taken either singly or in combination.

Early allowance of the amended claims is respectfully requested.

Respectfully submitted,

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Enclosure: Attachments A-8

I hereby certify that this correspondence is being sent by facsimile transmission to the U.S.P.T.O. to Patent Examiner J. Waks at Group 2834, to 1-703-672-9318 on April 2, 2003.

  
Mary Hennessy